

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L1 | 2 | (low adj4 voltage).with gate with ((read or transfer) near3 transistor\$1) with reset\$3 with (lower or smaller or higher or larger) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 13:54 |
| L2 | 31 | (potential or voltage) with gate with ((read or transfer) near3 transistor\$1) with reset\$3 with (lower or smaller or higher or larger) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:40 |
| L3 | 333 | voltage with gate with ((read or transfer) near3 transistor\$1) with reset\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:36 |
| L4 | 956 | 348/308.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:37 |
| L5 | 42 | 3 and 4 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:37 |
| L6 | 290 | (potential or voltage) with drain with reset\$3 with (lower or smaller or higher or larger) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:44 |
| L7 | 31 | (low near3 (potential or voltage)) with drain with reset\$3 with (lower or smaller or higher or larger) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:47 |
| L9 | 5 | (low near3 (potential or voltage)) with drain with depth with pixel | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:47 |
| L10 | 73 | (low near3 (potential or voltage)) with drain with depth | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:49 |
| L11 | 1700 | (potential or voltage or level) with drain with depth | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:50 |

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| L12 | 4 | 4 and 11 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:50 |
| L13 | 307 | 348/296.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:50 |
| L14 | 2 | 13 and 11 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:51 |
| L15 | 6 | 3 and 11 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:52 |
| L16 | 1012 | 348/300-307.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:52 |
| L17 | 25 | 3 and 16 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:53 |
| L18 | 1 | 11 and 16 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:56 |
| L19 | 68 | reset\$4 with (prim\$3 adj3 effect) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:57 |
| L20 | 3 | (prim\$3 adj3 effect) with afterglow | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:59 |
| L21 | 7981 | (prim\$3 adj3 effect) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:59 |
| L22 | 4 | 21 and (4 or 16) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:11 |

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| L23 | 9 | (electronic dj3 shutter) same (potential or voltage) same drain same reset\$4 same (FD or (float\$3 adj3 diffusion)) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:07 |
| L24 | 6 | (potential or voltage) same drain same reset\$4 same ((FD or (float\$3 adj3 diffusion)) with depth) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:09 |
| L25 | 3 | (reset\$4 near5 pulse) same drain same reset\$4 same ((FD or (float\$3 adj3 diffusion)) with depth) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:10 |
| L26 | 3 | (reset\$4 near5 pulse) same drain same ((FD or (float\$3 adj3 diffusion)) with depth) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:11 |
| L27 | 3 | (reset\$4 near5 pulse) same ((FD or (float\$3 adj3 diffusion)) with depth) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:11 |
| L28 | 594 | (reset\$4 near5 pulse) same (FD or (float\$3 adj3 diffusion)) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:11 |
| L29 | 72 | 28 and (4 or 16) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:13 |
| L30 | 207 | yamaguchi-takumi\$5.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:17 |
| L31 | 50 | komobuchi-hiroyoshi\$5.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 15:20 |
| S1 | 309 | voltage with gate with ((read or transfer) near3 transistor\$1) with reset\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 14:36 |
| S2 | 25 | voltage with gate with ((read or transfer) near3 transistor\$1) with reset\$3 with (lower or smaller or higher or larger) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/17 16:28 |

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| S3 | 2 | (low adj4 voltage) with gate with ((read or transfer) near3 transistor\$1) with reset\$3 with (lower or smaller or higher or larger) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/12/10 13:54 |
| S4 | 2 | ((low adj4 voltage) with gate with ((read or transfer) near3 transistor\$1)) same (reset\$3 with (lower or smaller or higher or larger)) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/17 16:31 |
| S5 | 36 | (voltage with gate with ((read or transfer) near3 transistor\$1)) same (reset\$3 with (lower or smaller or higher or larger)) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/17 16:31 |
| S6 | 12 | drain with layer\$1 with (signal adj2 line\$1) with (FD or storage) with (above or below or under) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:47 |
| S7 | 107 | drain with layer\$1 with (signal adj2 line\$1) with (FD or storage) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 10:52 |
| S8 | 506 | drain with layer\$1 with optical | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:19 |
| S9 | 4 | drain with layer\$1 with (optical near3 black) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 11:22 |
| S10 | 15 | drain with (optical near3 black) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:18 |
| S11 | 341 | 257/E27.131.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:18 |
| S12 | 2 | S8 and S11 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:18 |
| S13 | 115 | S11 and (drain with layer\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:32 |

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| S14 | 1023 | 257/435.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:32 |
| S15 | 106 | S14 and (drain with layer\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:33 |
| S16 | 3 | S14 and (drain with layer\$1) and (optical adj3 black) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:33 |
| S17 | 10 | ("4942474" "4949152" "5043783" "5172249" "5309013" "5404039" "5471515" "5563429" "5604364" "5625210").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/18 08:44 |
| S18 | 149 | 348/300.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/18 10:53 |
| S19 | 19 | S18 and (drain with layer\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 08:47 |
| S20 | 1903 | drain with layer\$1 with (signal adj2 line\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 11:57 |
| S21 | 132 | 348/301.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/18 11:01 |
| S22 | 2 | S20 and S21 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/18 11:02 |
| S23 | 424 | 348/302.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/18 11:01 |
| S24 | 7 | S20 and S23 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/18 11:02 |
| S25 | 2 | drain with layer\$1 with (FD adj3 line) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 14:27 |
| S26 | 315 | drain with layer\$1 with gate with ((detect\$3 or read\$3 or amplif\$3) near4 transistor\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 11:11 |

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|-----|-----|---|--|----|----|------------------|
| S27 | 3 | S26 and (S21 or S23) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 11:09 |
| S28 | 12 | drain with layer\$1 with gate with ((detect\$3 or read\$3 or amplif\$3) near4 transistor\$1) with (shield\$3 or block\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 11:11 |
| S29 | 2 | (drain with layer\$1) same (shield\$3 with (optical near3 black)) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 11:23 |
| S30 | 0 | (drain with layer\$1) same ((block\$3 or opaque) with (optical near3 black)) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 12:01 |
| S33 | 50 | drain with layer with (power or voltage with VDD) with shield\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 12:05 |
| S34 | 30 | drain with (power or voltage with VDD) with shield\$3 with light | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 12:10 |
| S35 | 16 | (drain with (power or voltage with VDD)) same (metal with shield\$3 with light) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 12:15 |
| S36 | 34 | (drain with (power or voltage or VDD)) same (metal with shield\$3 with light) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 12:31 |
| S37 | 242 | drain with metal with shield\$3 with light | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 13:18 |
| S38 | 168 | (VDD near4 layer) same drain | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 13:13 |
| S40 | 8 | drain with metal with block\$1 with light | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 13:23 |

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| S41 | 334 | drain same (block\$1 near5 light) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 13:25 |
| S42 | 950 | CMOS same ((block\$3 or shield\$3) near5 light) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 13:26 |
| S43 | 135 | S42 and "348"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 13:33 |
| S44 | 398 | S42 and "257"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 14:14 |
| S45 | 3 | (FD near3 line) with ((block\$3 or shield\$3) near5 light) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 14:36 |
| S46 | 52 | storage with gate with transistor\$1 with ((block\$3 or shield\$3) near5 light) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 14:46 |
| S47 | 13 | (FD near3 line) with (metal or aluminum) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 14:43 |
| S51 | 11 | storage with gate\$1 with transistor\$1 with (block\$3 or shield\$3) with metal | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 14:48 |
| S52 | 206 | storage with gate\$1 with transistor\$1 with lines with metal | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 14:49 |
| S53 | 4 | S52 and 348/294-332.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/08/18 14:49 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|----------|------------------|---------|------------------|
| L1 | 0 | ((read adj2 transistor) and storage and (detect\$3 adj2 transsitor) and drain and pulse and voltage and (common adj3 gate) and (low adj3 potential) and reset\$4 and depth).CLM. | US-PGPUB | OR | ON | 2006/12/10 15:25 |
| L2 | 0 | ((read adj2 transistor) and storage and (detect\$3 adj2 transsitor) and drain and voltage and (common adj3 gate) and (low adj3 potential) and reset\$4 and depth).CLM. | US-PGPUB | OR | ON | 2006/12/10 15:25 |
| L3 | 0 | ((read adj2 transistor) and storage and (detect\$3 adj2 transsitor) and drain and voltage and (low adj3 potential) and reset\$4 and depth).CLM. | US-PGPUB | OR | ON | 2006/12/10 15:26 |
| L4 | 0 | ((read adj2 transistor) and (detect\$3 adj2 transsitor) and drain and voltage and (low adj3 potential) and reset\$4 and depth).CLM. | US-PGPUB | OR | ON | 2006/12/10 15:26 |
| L5 | 1 | (drain and voltage and (low adj3 potential) and reset\$4 and depth).CLM. | US-PGPUB | OR | ON | 2006/12/10 15:26 |
| L6 | 1 | (drain and (low adj3 potential) and reset\$4 and depth).CLM. | US-PGPUB | OR | ON | 2006/12/10 15:26 |
| L7 | 2 | (drain and (low adj3 level) and reset\$4 and depth).CLM. | US-PGPUB | OR | ON | 2006/12/10 15:27 |
| L8 | 2 | (drain and (low adj3 voltage) and reset\$4 and depth).CLM. | US-PGPUB | OR | ON | 2006/12/10 15:27 |
| L9 | 20 | (drain and (potential or voltage or level) and reset\$4 and depth).CLM. | US-PGPUB | OR | ON | 2006/12/10 15:27 |

Interference Search History Printout, LN